

Ch 2 Review

2.1

Relation and Function

Function?

1-1?

$$f(x) = 3x^2 - 2$$

$$f(2) = 3(2)^2 - 2 = 10$$

Domain

Range

Graphs

Mappings

2-2 and 2-3

linear equations

slope

parallel

perpendicular

horizontal

vertical

standard form

graph

intercepts

slope

same

off. recip.

m=0

undefined

$$Ax + By = C$$

ex
 eg n
 hor. $y=2$
 vert $x=3$

parallel lines

perpendicular lines

2-4

Writing equations

point slope

2 points

parallel

perpendicular

variation word problems

2-5

Scatter plot (by hand)

$$y = mx + b$$

2-6

special functions

greatest integer $[x]$

piecewise functions

absolute value

$$y = a|x - h| + k \quad V(h, k)$$

write equation from graph

graph

2-7

Linear inequalities

dash/solid

shade